

ABSTRACT OF THE DISCLOSURE

~~The present invention allows setting video projectors (focus, Brightness, contrast, Color saturation ...) automatically. It is based on the analysis of the projection screen conditions obtained from the screen image captured by an integrated video camera in the video projector.~~

A video projector equipped with a sensor assembly made of video cameras and with a processor. The sensor assembly allows capturing the projection surface and the processor analyses the video frames from the sensor assembly in order to compute and set automatically the optimum projection parameters. Depending on the room lighting, the projection distance, the quality of the projection screen, the video projector will set automatically the brightness, the color saturation, the contrast, the focus and the zoom of the projection.

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